

Title (en)

MAGNETIC ENCODER AND PRODUCTION METHOD THEREFOR

Title (de)

MAGNETISCHER CODIERER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ENCODEUR MAGNÉTIQUE ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 2988102 A4 20161130 (EN)

Application

EP 14783372 A 20140404

Priority

- JP 2013081086 A 20130409
- JP 2014016788 A 20140131
- JP 2014016789 A 20140131
- JP 2014059987 W 20140404

Abstract (en)

[origin: EP2988102A1] A magnetic encoder is a magnetic encoder including a core metal and a multipolar magnet provided on the core metal and having magnetic poles formed alternately in a circumferential direction. The core metal includes an inner diameter cylindrical portion, an upright plate portion extending from one end of the inner diameter cylindrical portion toward an outer diameter side, and an outer diameter cylindrical portion extending axially from an outer diameter side end of the upright plate portion; the multipolar magnet is integrally molded on an annular portion, of the core metal, extending over the upright plate portion and the outer diameter cylindrical portion, by insert-molding such that an end surface of the outer diameter cylindrical portion is embedded; and a gap between the core metal and the multipolar magnet is filled with a sealing agent.

IPC 8 full level

G01D 5/245 (2006.01); **G01P 3/44** (2006.01)

CPC (source: EP US)

G01D 5/12 (2013.01 - US); **G01D 5/2451** (2013.01 - EP US); **G01P 3/443** (2013.01 - EP US); **F16C 19/184** (2013.01 - EP US); **F16C 33/723** (2013.01 - EP US); **F16C 41/007** (2013.01 - EP US); **F16C 2326/02** (2013.01 - EP US); **G01D 2205/80** (2021.05 - EP)

Citation (search report)

- [XAI] US 2009219017 A1 20090903 - MIZUTA HIDEO [JP]
- [YA] JP 2005233923 A 20050902 - NSK LTD
- [YA] EP 1517149 A2 20050323 - NTN TOYO BEARING CO LTD [JP]
- See references of WO 2014168091A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2988102 A1 20160224; **EP 2988102 A4 20161130**; CN 105122011 A 20151202; US 2016033303 A1 20160204; WO 2014168091 A1 20141016

DOCDB simple family (application)

EP 14783372 A 20140404; CN 201480020073 A 20140404; JP 2014059987 W 20140404; US 201514877364 A 20151007